



Attorney Docket No. 001580-514 Patent 2124

In re Patent Application of

Ali Sazegari et al.

Application No.: 09/996,877

Filing Date: November 30, 2001

Title: SINGLE-CHANNEL CONVOLUTION IN A VECTOR PROCESSING COMPUTER SYSTEM

Group Art Unit: 2124

Examiner: Tan V. Mai

Confirmation No.: 2764

**FIRST  
INFORMATION DISCLOSURE STATEMENT  
TRANSMITTAL LETTER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed is a **FIRST** Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☐ No additional fee for submission of an IDS is required.
- ☒ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge \_\_\_\_\_ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \_\_\_\_\_ is enclosed for the fee due.
- ☐ Charge \_\_\_\_\_ to credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

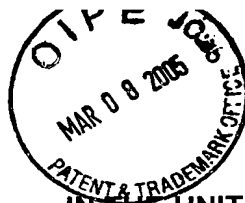
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By

James A. LaBarre

Registration No. 28,632

Date: March 8, 2005



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of	)	
	)	
Ali Sazegari et al.	)	Group Art Unit: 2124
	)	
Application No.: 09/996,877	)	Examiner: Tan V. Mai
	)	
Filed: November 30, 2001	)	Confirmation No.: 2764
	)	
For: SINGLE-CHANNEL CONVOLUTION IN	)	
A VECTOR PROCESSING	)	
COMPUTER SYSTEM	)	

**FIRST INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

The documents are being submitted after a first Office Action on the merits but prior to the closing of prosecution, therefore under 37 C.F.R. § 1.97(c), the fee of \$180.00 (1806) set forth in 37 C.F.R. § 1.17(p) is enclosed.

To assist the Examiner, the document is / documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

03/10/2005 MBEYENE1 00000161 024800 09996877  
01 FC:1806 180.00 DA

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date March 8, 2005

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**Complete if Known**

(use as many sheets as necessary)

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09/996.877

November 30, 2001

Ali Sazegari et al.

Tan V. Mai

001580-514

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NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	Wang et al., "Parallel-decomposition Algorithm for Discrete Computational Problems...", IEE Proceedings: Vision, Image and Signal Processing, Institution of Electrical Engineers, Vol. 142, no. 1, February 1, 1995, pages 40-46
	Gardner, "Efficient Convolution Without Input-Output Delay", Journal of the Audio Engineering Society, Audio Engineering Society, Vol. 43, no. 3, March 1, 1995, pages 127-135
	Torger et al., "Real-time Partitioned Convolution for Ambiophonics Surround Sound", IEEE Workshop on the Applications of Signal Processing on Audio and Acoustics, 21-24 October 2001, pages 195-198
	Agarwal et al. "Fourier Transform and Convolution Subroutines for the IBM 3090 Vector Facility", IBM Journal of Research and Development, Vol. 30, no. 2, March 1, 1986

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.